Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

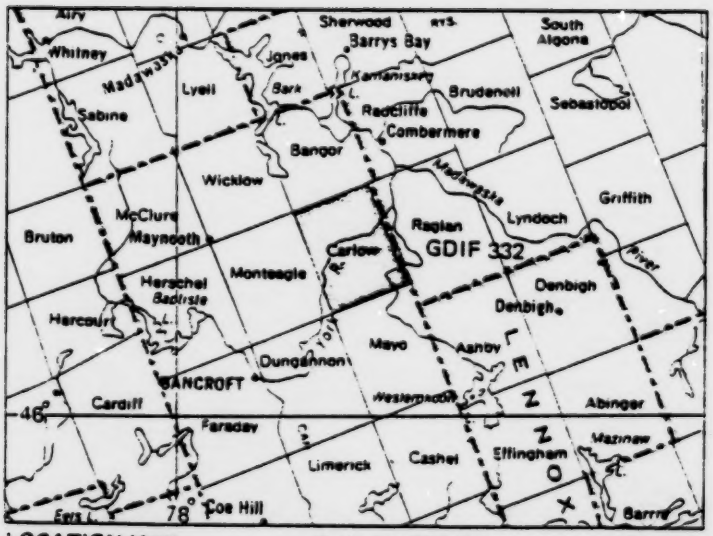
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 332

CARLOW TOWNSHIP

HASTINGS COUNTY

Compiled by the Staff of
the Resident Geologist's Office,
Bancroft



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

87-012477

Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

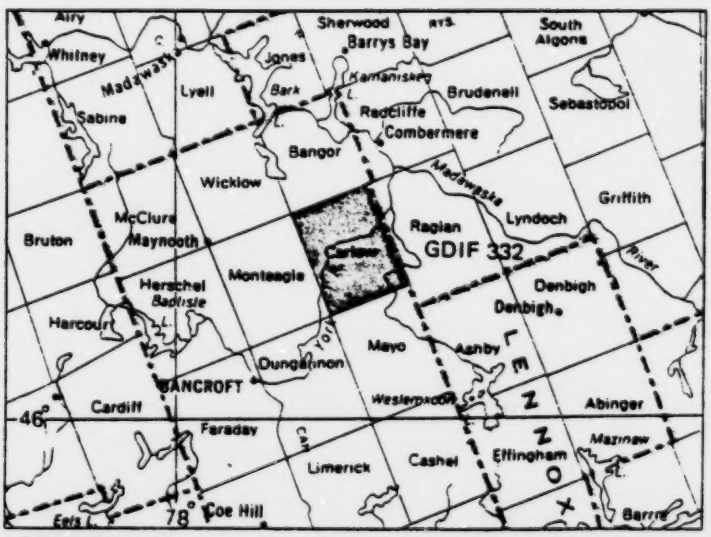
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 332

CARLOW TOWNSHIP

HASTINGS COUNTY

Compiled by the Staff of
the Resident Geologist's Office,
Bancroft



LOCATION MAP Scale 1:1 013 760 or 1 inch to 16 miles

NTS Number 31F/4, 31F/5

Mining Claim Map Number M.70

This inventory was aided by the MNR Section 38 Special Employment Program, Bancroft

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1986: Carlow Township, Hastings County; Ontario Geological Survey, Geological Data Inventory Folio 332, compiled by the staff of the Resident Geologist's Office, Bancroft, 42 p. and 2 maps.

Original Compilation by: Pat Flagler, Karen Fell, March 1986

Date	Page Revised	Revised by

Date	Page Revised	Revised by

CARLOW TOWNSHIP

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3
Type of Work 18
Drill Hole Summary 20
Airborne Geophysical Survey Data 23
Geochemical Survey Data 24
Miscellaneous Data 25
Newspaper Clipping File 26
Notes and Addenda 27
ODM General Index Search 28
Selected References 30

ACCOMPANYING MAPS

Property Location Map 1 Map

Exploration Data Map 1 Map

Map Scale 1 inch to ½ mile or 1: 31 680

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this map. If no reference data was found, the appropriate box is marked 'no'; if reference was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files (Assessment Files)	Yes	KF
2	Assessment Files Research Office, Toronto		
3	ODM General Index; ~~Card Index~~ 9 Volumes	Yes	KF
4	Catalogue of Airborne Geophysical Surveys (ODM)		
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	KF
6	ODM Industrial Mineral Reports	Yes	KF
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	KF
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	KF
9	Newspaper Clippings File	Yes	KF
10	GSC Index to Publications	Yes	KF
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	KF
12	OGS Index Maps	Yes	KF
13	Source Mineral Deposit Records (O.G.S.)	Yes	KF
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	Yes	KF
16	ODM Geological Circulars: OGS Study Series	No	KF
17	ODM Preliminary Reports: ODM Bulletins	Yes	KF
18	ODM – OGS Open File Reports	Yes	KF
19	OGS Northern Ontario Engineering Geology Terrain Studies	NA	KF
20	OGS Aggregate Resources Inventory Papers	NA	KF
21	OGS Mineral Potential Maps	Yes	KF
22	OGS Guidebook Series	Yes	KF
23	DEMR/National Mineral Inventory Cards	Yes	KF

METALS AND MINERALS REFERENCES LIST

△ anh.....Anhydrite	△ fu.....Fuchsite	△ Ni.....Nickel	△ st.....Stone
△ ank.....Ankerite	△ gn.....Galena	△ Nb.....Niobium	△ talc.....Talc
△ anna.....Annabergite	▲ gt.....Garnet	△ Pd.....Palladium	△ Te.....Tellurium
▲ ap.....Apatite	△ goe.....Goethite	△ peat.....Peat	△ td.....Tetrahedrite
△ arg.....Argentite	△ Au.....Gold	△ pent.....Pentlandite	▲ th.....Thorite
△ As.....Arsenic	▲ gf.....Graphite	△ Pt.....Platinum	△ Th.....Thorium
△ asp.....Arsenopyrite	△ gl.....Gravel	▲ py.....Pyrite	△ thuc.....Thucholite
△ asb.....Asbestos	△ gyp.....Gypsum	△ pyl.....Pyrochlore	▲ ti.....Titanite
△ ba.....Barite	△ hem.....Hematite	△ pyrl.....Pyrolusite	▲ Ti.....Titanium
△ be.....Beryl	▲ il.....Ilmenite	△ po.....Pyrrhotite	△ tour.....Tourmaline
△ Bi.....Bismuth	△ Fe.....Iron	▲ q.....Quartz	△ trap.....Trap rock
△ bn.....Bornite	△ IF.....Iron Formation	△ qcv.....Quartz carbonate vein	△ W.....Tungsten
△ bran.....Brannerite	△ jas.....Jasper	△ ra.....Radioactive minerals	▲ uran.....Uraninite
△ bruc.....Brucite	△ kaol.....Kaolinite (kaolin)	▲ REE.....Rare Earths	△ U.....Uranium
△ Cd.....Cadmium	▲ ky.....Kyanite	△ sd.....Sand	△ verm.....Vermiculite
▲ calc.....Calcite	△ Pb.....Lead	△ sgl.....Sand and gravel	△ Y.....Yttrium
△ carb.....Carbonate	△ lim.....Limonite	△ ss.....Sandstone	△ Zn.....Zinc
△ cel.....Celestite	△ Li.....Lithium	▲ scap.....Scapolite	▲ zr.....Zircon
△ cc.....Chalcocite	△ mgst.....Magnesite	△ shee.....Scheelite	▲all.....allanite
△ cp.....Chalcopyrite	▲ mag.....Magnetite	△ serp.....Serpentine	▲bi.....biotite
△ ch.....Chert	△ mc.....Malachite	△ sh.....Shale	▲chab.....chabazite
△ clay.....Clay	△ Mn.....Manganese	△ sid.....Siderite	▲dp.....diopside
△ Co.....Cobalt	▲ mb.....Marble	△ si.....Silica	▲mu.....muscovite
△ cob.....Cobaltite	△ mar.....Marcasite	△ Ag.....Silver	▲pl.....phlogopite
△ cb.....Columbite	△ ma.....Marl	△ sl.....Slate	▲px.....pyroxene
△ Cu.....Copper	▲ mi.....Mica	△ sm.....Smaltite	▲ru.....rutile
▲ cor.....Corundum	△ ml.....Millerite	△ sod.....Sodalite	▲sil.....sillimanite
△ dol.....Dolomite	△ mo.....Molybdenite	△ spec.....Specularite	▲stil.....stilbite
▲ ep.....Epidote	△ Mo.....Molybdenum	△ sp.....Sphalerite	▲wils.....wilsonite
△ ery.....Erythrite	△ mon.....Monazite	△ spd.....Spodumene	▲zois.....zoisite
▲ fel.....Feldspar	▲ ne.....Nephelite (nepheline)	△ staur.....Staurolite	▲chl.....chlorite
△ fl.....Fluorite (flurospar)	△ nc.....Niccolite	△ stib.....Stibnite	

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	ALLISON FARM Lot 16, Con VI	mag			OGS PR 1951-2 GSC Maps: 193, 193A, 15G ODM AR Vol. 52 Pt.3 p.38 AR Vol. 63 Pt.6 p.57 I.O. p.217 DEMR/CANMET #184 p.21-22 #217 p.114-115
B.	AMBIS OCCURRENCE Lot 17, Con XII N½ (property includes: Lot 16 & 17, Con XII S½)	uran,th,REE fel (uranth)	SO0202 235	MDC 22 p.130 MDC 23 p. 40	OGS Maps: P.2210, P.2567 OFR 5294 p.27-29 OFR 5296 p.310-311 OFR 5311 p.247 OFR 5425 p.58, 277 GSC NMI #509585 Bullis (1965) p.713-721 OGS AFRO Carlow Assess. Files 2, 3 & 5
C.	ARMSTRONG FARM Lot 2, Con XIV N½ (property includes: Lot 1, Con XIV	mica (pl)			OGS Maps: P.2567 AR Vol.63 Pt.6 p.59 OFR 5425 p.211-212 GSC NMI #070628
D.	ARMSTRONG'S HILL (Burgess Mine) Lot 10, Con XV	cor			GSC Memoir 57 p.184-185, 295-296

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
E.	ARMSTRONG KNOLL & BUCK CREEK Lot 12, Con XIV	cor		MDC 22 p.27-28	OGS Maps: P.2567 OFR 5425 p.34 GSC NMI #070457 Min.Pol.Sector/Resource File 167-C7-2
F.	ASHLAND EMERY & CORUNDUM CO. (Burgess Mine) Lot 16, Con XIII	cor MIN. COLL. #1		MDC 22 p.27-28	OGS Maps: P.2567,39h,1954-3 AR Vol.15 p.19,99 AR Vol.17 p.26,89 AR Vol.22 Pt.1 p.48 AR Vol.24 Pt.1 p.165 AR Vol.39 Pt.6 p.39 AR Vol.63 Pt.6 p.31 OFR 5425 p.34 GSC Memoir 6 p.371 Memoir 57 p.185 Paper 80-18 p.120 McMurray (1977) p.15
G.	BOULTER (Kennedy Property) (John Allison Farm) (Angus McDiarmid) Lot 17, Con VI	mag, Ti MIN.COLL.. #7	SO0245 SO0246	MDC 11 p.151 MDC 20 p.88	OGS PR 1951-2 p.5 Maps: 1954-3, P.2211, P.2567 I.O. p.217 AR Vol.52 Pt.3 p.38 AR Vol.63 Pt.6 p.57-58 OFR 5425 p.277 GSC Paper 80-18 p.226 Bulletin 45 p.25,27 NMI #505962 DEMR/CANMET #184 p.21 #217 p.114-115 & Maps 193 & 193A GSC Map: 15G

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
G.	continued				McMurray (1977) Moyd (1950) Private Report Rose, E.R. (1954) p.99-100 Bosiak (1968)
H.	BUCK LAKE CUTS (Burgess Mine) Lot 11, Con XVI	cor MIN. COLL. #2		MDC 22 p.27-28	OGS Maps: P.2567, 1954-3 AR Vol.63 Pt.6 p. OFR 5425 p.34 GSC Paper 80-18 p.120 Bosiak (1963)
I.	BURGESS MINE Lot 14, Con XIV	cor,uran, bi,mag,mu, py,ru,ti,zr, scap. var. wils. chl,ep MIN. COLL. #3	SO0113	MDC 22 p.27-28 MDC 23 p.139	OGS Maps: P.2209,2210,1957b,P.2567, 1954-3,52b,39h AR Vol.6 p.61-65 AR Vol.7 Pt.3 p.207-250 AR Vol.8 Pt.2 p.206,220-222 AR Vol.12 p.37,135-136 AR Vol.13 p.19 AR Vol.14 p.19,25,75 AR Vol.19 Pt.1 p.36,129 AR Vol.39 Pt.6 p.38-40 AR Vol.52 Pt.3 p.19 AR Vol.63 Pt.6 p.29,32 OFR 5296 p.67-70 OFR 5425 p.34 OFR 5311 p.248 GB 3 p.74-75 MP 70 p.124 GSC MP 8 p.85 Memoir 6 p.371-380 Memoir 57 p.185,295-296 Memoir 74 p.79

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			
I.	continued				GSC AR Vol.IX p.116-119A, 53A, 108A AR Vol. X p.48-49A, 52-54A, p.127-128A Ec.Geol.Rept.#16(1952)p.137 Paper 80-18 p.120 Paper 70-50 p.46 NMI #065044 DEMR/CANMET #675 p.13-14 #699 Min.Pol.Sector/Resource File 167-C7-2 Min.Pol.Sector/Corp. Files "Cor-O-Tex Industrial Minerals Leach(1964) p.64 (1973) p.16 McMurray (1977) p.15, 24 Moyd (1949) p.745 Peterson (1978) #61 Bancroft Area Minerals Brochure #5 Bosiak (1963) (1968) Kenny, Jones, & Shields (1985) - Mineral Collecting Sites
J.[1]	FOSTER RAPIDS (York River Crossing) Lot 19, Con X	mb, ne	SO0437 1277	MDC 21 p.113-115	OGS Maps: P.1980 OFR 5425 p.173,174 AR Vol.8 Pt.2 p.221 AR Vol.13 Pt.2 p.65-66 AR Vol.63 Pt.6 p.16 Hewitt, Peach, Moyd (1953) p.16
J.[2]	Lot 19, Con X	ne (float)			
J.[3]	Lot 19, Con X	cor, ne			

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
K.	FRASER LAKE (Kennedy Property) (Alexander Hamilton) (Allison Farm) Lot 17, Con V N½	mag	SO0244	MDC 20 p.88-89 MDC 11 p.151	OGS Maps: 1954-3, P.2211 AR Vol.52 Pt.3 p.38 AR Vol.63 Pt.6 p.56-57 GSC Paper 80-18 p.226 Bulletin 45 p.25-27 NMI #505963 DEMR/CANMET #217 Pt.2 p.114 & Maps 193 & 193A #184 p.21 Moyd, L. (1950) Private Report Rose, E.R. (1954) p.99-100
L.	FREYMOND FARM Lot 1, Con IX N½	mi(pl),ap, calc,dp,fel, q,scap,ti Min. Coll. #4		MDC 22 p.90	OGS Maps: 39h,1954-3,P.2567 AR Vol.39 Pt.6 p.44 AR Vol.52 Pt.3 p.60-61 AR Vol.63 Pt.6 p.58-59 OFR 5425 p.211 GSC MP 8 McMurray (1977)
M.	HERB'S CUT EAST (Burgess Mine) Lot 12, Con XV	cor MIN. COLL. #5B		MDC 22 p.27-28	OGS Maps: P.2567,1954-3 AR Vol. 63 Pt.6 p.35 OFR 5425 p.34 GSC Paper 80-18 p.120

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
N.	HERB'S CUT WEST (Burgess Mine) Lot 11, Con XV	cor MIN. COLL. #5A		MDC 22 p.27-28	OGS Maps: P.2567,1954-3 AR Vol.63 Pt.6 p.35 OFR 5425 p.34 GSC Paper 80-18 p.120
O.	HOOVER LAKE CUT (Burgess Mine) Lot 7, Con XVI	cor MIN. COLL. #6		MDC 22 p.27-28	OGS Maps: P.2567 AR Vol.63 Pt.6 p.35 AR Vol.69 Pt.8 p.83 OFR 5425 p.34 Paper 80-18 p.120 Bosiak (1963)
P.	HOOVER MOUNTAIN CORUNDUM DEPOSIT (Burgess Mine) Lot 5, Con XV	cor MIN. COLL. #17		MDC 22 p.27-28	OGS Maps: P.2567,1954-3,P.2614 OFR 5425 p.34 AR Vol.63 Pt.6 p.34 Trussler (1980)
Q.	JACK'S CUT (Burgess Mine) Lot 10, Con XIV	cor, scap		MDC 22 p.27-28	OGS Maps:P.2567,39h,1954-3 AR Vol.8 Pt.2 p.206,220-222 AR Vol.39 Pt.6 p.39 AR Vol.52 Pt.3 p.19 AR Vol.63 Pt.6 p.31 OFR 5425 p.34 GSC Memoir 57 p.184-185 NMI#065041

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Q.	continued				DEMR/Min.Pol.Sector/Corp. Files: "Cor-O-Tex Industrial Minerals Ltd Min.Pol.Sector/Resourc Files: 167-C7-2
R.	LOGAN CUTS (Burgess Mine) Lot 18, Con XIV	cor, ne MIN. COLL. #8		MDC 22 p.27-28	OGS Maps: P.2567,39h,1954-3,52b AR Vol.63 Pt.6 p.33-34,16,62 AR Vol.69 Pt.8 p.65,82-83 OFR 5425 p.34 GSC MP 8 p.86 Paper 80-18 p.120 DEMR/Min.Pol.Sector/Corp.Files: "Cor-O-Tex Industrial Minerals Ltd Min.Pol.Sector/Resource Files: 167-C7-2 GSC NMI #065042
S.	MACKIE CUTS (Burgess Mine) Lot 15, Con XIV	cor		MDC 22 p.27-28	OGS Maps: P.2567,1954-3,52b,39h AR Vol.63 Pt.6 p.32 OFR 5425 p.34 GSC Paper 80-18 p.120 NMI #065043 DEMR/Min.Pol.Sector/Corp. Files: "Cor-O-Tex Industrial Minerals Ltd Min.Pol.Sector/Resource Files 167-C7-2 Bosiak (1963) p.20

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
T.	McWHIRTER LAKE (Stony Lake) Lot 10, Con VIII	gf MIN. COLL. #9	SO0112	IMR 20 p.23-24 MDC 22 p.46-47	OGS Maps: 1954-3,P.2209,P.2567 AR Vol.52 Pt.3 p.34 AR Vol.63 Pt.6 p.56 OFR 5296 p.116-118 OFR 5425 p.138 OFR 5377 p.10 McMurray (1977) p.23
U.	McWHIRTER LAKE SILLIMANITE Lot 11, Con VIII (also on Lot 12)	sil, gt	SO0090	MDC 22 p.188 IMR 4 p.7	OGS Maps: P.2209,P.2567 OFR 5425 p.261 OFR 5296 p.428,429
	MENTOR DEPOSITS (Carr-Quirk-Robson Property) (Union Mining) includes: southwest of Wash Tub Pine Hill Zone Flat Zone South Zone *Island Zone (Monteagle Twp. Lot 1-2, Con IV) Carr Zone (anomalous) Wash Tub Zone (anomalous)	all, th (uranth)	SO0199 236	MRC 4 p.42 MDC 23 p.40-42 IMR 21 p.54, 64	OGS Maps: 52b,P.2211 AR Vol.65 Pt.6 p.136-138 OFR 5311 p.214 AFRO Carlow Assess. 1, 4 AFRO Monteagle Assess. 8 GSC Ec.Geol.Series (1952) p.143 (1962) p.255 NMI #509577 Satterly's unpublished files Donnan, B.C. (1955) Geol. Rept. McMurray (1977) Northern Miner - May26/55 - June 16/55 *See - GDIF Monteagle Township: Union Mining Occ. (WW.)
V.[1]	CARR ZONE - Lot 1, Con IV N½				
V.[2]	WASH TUB ZONE - Lot 2-3, Con V S½	MIN. COLL. #12			

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
W.	MILLER OCCURRENCE (Workings) Lot 1, Con XI	mi(pl),ap, calc,chab, px,scap,stil, ti MIN. COLL. #10		MDC 22 p.79-80	OGS Maps: P.2567, 1954-3 AR Vol.52 Pt.3 p.60 AR Vol.63 Pt.6 p.59 OFR 5425 p.211 GSC MP 8 p.84 Memoir 74 p.189 AR Vol.IX (New Series) p.107A Bosiak (1963) p.32
X.	O'GRADY LAKE STRIPPINGS (Burgess Mine) Lot 15, Con XVI	cor MIN. COLL. #11		MDC 22 p.27-28	OGS Maps: P.2567,39h,52b,1954-3 AR Vol.63 Pt.6 p.87 OFR 5425 p.34 GSC Paper 80-18 p.120 Memoir 57 p.185 MP 8 p.87 NMI #070459 DEMR/CANMET #675 Pt.2 p.13 OGS MP 70 p.124 Bosiak (1963) p.21
Y.	O'GRADY LAKE NORTH WORKINGS (Burgess Mine) Lot 17, Con XVI	cor		MDC 22 p.27-28	OGS Maps: P.2567,1954-3 AR Vol.63 Pt.6 p.38 OFR 5425 p.34 MP 70 p.124 GSC Paper 80-18 p.120

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Z.	O'GRADY LAKE SOUTH WORKINGS (Burgess Mine) Lot 16, Con XVI	cor		MDC 22 p.27-28	OGS Maps: P.2567,52b,39h AR Vol.63 Pt.6 p.37-38 OFR 5425 p.34 GSC Memoir 57 p.185 Paper 80-18 p.120 NMI #070459 DEMR/CANMET #675 Pt.2 p.13 /Min.Pol.Sector/Resource Files: 167-C7-2
AA.	SUNDSTROM - NORTH SHOWING Lot 18, Con XII N½	all	SO0200 237	IMR 21 p.64 MDC 23 p.42-43	OGS Maps: P.2210 OFR 5311 p.249 OFR 5057 p.11 GSC NMI #509583 Satterly's files
BB.	SUNDSTROM - SOUTH SHOWING Lot 17, Con XII S½	th (uranth), ti	SO0201 238	IMR 21 p.54 MDC 23 p.43	OGS Maps: P.2210 OFR 5057 p.12 OFR 5311 p.250 GSC NMI #509584
CC.	Lot 2, Con V	ne			OGS Maps: P.2567 AR Vol.63 Pt.6 p.16 AR Vol.69 Pt.8 p.65 OFR 5425 p.229
DD.	Lot 5, Con VI (includes: Lot 4, Con VII)	ne			OGS Maps: P.2567 AR Vol.63 Pt.6 p.16,62 AR Vol.69 Pt.8 p.65 OFR 5425 p.229

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
EE.[1]	Lot 21, Con VI S½ (Boulter Anomalies)	mag			OGS PR 1951-2 p.5 AR Vol.63 Pt.6 p.58
EE.[2]	Lot 20, Con V				GSC Bulletin 45 p.25,27 Map 15G
FF.	Lot 17, Con VII	mag			OGS AR Vol.52 Pt.3 p.39 I.O. p.217 DEMR/CANMET #184 p.115 #217 p.22
GG.	Lot 8, Con VIII	zois MIN. COLL. #13			GSC Memoir 6 p.216 Memoir 74 p.242
HH.	Lot 13, Con X (includes Lot 12)	ne			OGS Maps: P.2567 AR Vol.63 Pt.6 p.16,62 AR Vol.69 Pt.8 p.65,82 OFR 5425 p.229
II.	Lot 23, Con X	ne			OGS Maps: P.2567 AR Vol.63 Pt.6 p.16,62 AR Vol.69 Pt.8 p.65,82 OFR 5425 p.229
JJ.	Lot 25, Con X (near Campbell's Bridge) (near Dan Prentice's cabins)	ne			OGS Maps: P.2567 AR Vol.8 Pt.2 p.221 AR Vol.63 Pt.6 p.16,62 AR Vol.69 Pt.8 p.65,82 OFR 5425 p.229

GDIF FORM NO. 1

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			
KK.	Lot 27, Con X (S. of Robinson Lake)	ne			OGS AR Vol.8 Pt.2 p.221
LL.	Lot 21, Con XI (on boundary of Con XI & XII)	sil,gt,bi MIN. COLL. #14			OGS Maps: P.2567 AR Vol.63 Pt.6 p.70 OFR 5425 p.261 McMurray (1977) p.39
MM.	Lot 23, Con XII (includes Lot 24)	sil,ky,gt, bi MIN. COLL. #15			OGS Maps: P.2567 AR Vol.63 Pt.6 p.71 OFR 5425 p.261 DEMR/CANMET #677 p.29 McMurray (1977) p.39
NN.	Lot 19, Con XIII	cor			OGS Maps: P.2567 AR Vol.52 Pt.3 p.73 OFR 5425 p.44
OO.	Lot 16, Con XIV (Burgess Mines)	cor		MDC 22 p.27-28	OGS Maps: P.2567, 1954-3 AR Vol.63 Pt.6 p.33 OFR 5425 p.34 GSC Paper 80-18 p.120

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
PP.	Lot 18, Con XIV (Burgess Mines) (band extends across Lot 18-19 at Con XIV-XV boundary)	cor		MDC 22 p.27-28	OGS Maps: P.2567,1954-3 AR Vol.63 Pt.6 p.34 OFR 5425 p.34 GSC Paper 80-18 p.120
QQ.	Lot 21, Con XIV (Burgess Mines)	cor MIN. COLL. #16		MDC 22 p.27-28	OGS Maps: P.2567,1954-3 AR Vol.63 Pt.6 p.34 OFR 5425 p.34 Trussler (1980)
RR.	Lot 9, Con XV	cor			OGS AR Vol.52 Pt.3 p.73 OFR 5425 p.44
SS.	Lot 21, Con XV (includes Lot 18, Con XV	cor			OGS AR Vol.52 Pt.3 p.73 OFR 5425 p.44
TT.	Lot 8, Con XVI (Burgess Mines) (includes Lot 7)	cor MIN. COLL. #20			OGS Maps: P.2567,1954-3 AR Vol.63 Pt.6 p.16,36,62 AR Vol.69 Pt.8 p.65,82-83 OFR 5425 p.34

GDIF FORM NO.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
UU.	Lot 9, Con XVI (Burgess Mines)	cor		MDC 22 p.27-28	OGS Maps: P.2567,1954-3 AR Vol.63 Pt.6 p.36 OFR 5425 p.34 GSC Paper 80-18 p.120
VV.	Lot 12, Con XVI (Burgess Mines)	cor		MDC 22 p.27-28	OGS Maps: P.2567, 1954-3 AR Vol.63 Pt.6 p.37 OFR 5425 p.34 GSC Paper 80-18 p.120
WW.	Lot 13, Con XVI (Burgess Mines) (on boundary of 12-13)	cor		MDC 22 p.27-28	OGS Maps: P.2567,1954-3 AR Vol.63 Pt.6 p.37 OFR 5425 p.34 GSC Paper 80-18 p.120
XX.	Lot 15, Con XVI (Burgess Mines)	cor		MDC 22 p.27-28	OGS Maps: P.2567,1954-3 AR Vol.63 Pt.6 p.37 OFR 5425 p.34 GSC Paper 80-18 p.120
YY.	Lot 28, Con XVI	ne			OGS Maps: P.2567 AR Vol.63 Pt.6 p.16,62 AR Vol.69 Pt.8 p.83 OFR 5425 p.230

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
ZZ.	Lot 29, Con XVI	cor MIN. COLL. #18			OGS Maps: 1954-3 AR Vol.63 Pt.6 p.38 GSC Paper 80-18 p.120
AB.	Lot 30, Con XVI	cor MIN. COLL. #19			OGS Maps: 1954-3 AR Vol.63 Pt.6 p.38 GSC Paper 80-18 p.120
*	BOULTER ROSE QUARTZ 3½ miles north of Boulter * not plotted on map due to insufficient information	q			Bosiak (1972) p.25
AC.	Lots 6 and 7, Con XVI	mag, il			GSC Memoir 74 p.129 & 149 AR Vol. III p.24-25T ODM AR Vol. 9 p.202

GDIF FORM NO.

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	MENTOR EXPLORATIONS AND DEVELOPMENT CO. LTD. B.C. Donnan	55		55		55		55						55						
2	FARADAY URANIUM MINES LTD. METAL MINES LTD. A.R. Bullis	63		63		63		63						63						
3	FARADAY URANIUM MINES LTD. A.R. Bullis				63	63														
4	CARR QUIKK GROUP G.C. McCartney				57	57														
5	AMBIS MINES LTD. FARADAY URANIUM MINES LTD. E.S. Walsh				58															
*	KENNEDY PROPERTY (Occ.A.G.&K.) Lindeman, E. (1913) Maps 193 &193A in DEMR/CANMET Rpt.#184	11										11								

GDIF FORM NO. 2

CARLOW TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
*	BOULTER (Occ. C.) Moyd, L.** Private Report in OGS AR Vol.63 Pt.6 p.57-58				50														
*	FRASER LAKE (Occ. K.) Moyd, L.** Private Report in OGS AR Vol.63 Pt.6 p.58				50														
*	LOT 21, CON VI (Occ. EE.) Moyd, L.** Private Report in OGS AR Vol.63 Pt.6 p.58				50							49							

GOut FORM NO. 2

* These properties are not plotted on Property Location Map (they are not assessment files). The work done is plotted on the Exploration Data Map. The references are filed in the Bancroft Resident Geologist's Office.

** See: Moyd, L. (1942-43?) Private Report for the Frobisher Expl. Co. Ltd.

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	FARADAY URANIUM MINES LTD. A.R. Bullis (File 3)	F 1	Oct.23/63	N30 W	-30	0	200.0		U_3O_8
1	"	F 2	Oct.26/63		-30	14	200.0		"
2	"	F 3	Oct.31/63		-30	0	203.0		"
3	"	F 4	Nov. 5/63		-30	0	255.0		"
3	"	F 5	Nov. 9/63		-30	10.0	200.0		"
4	CARR QUIRK GROUP G.C. McCartney (File 4)	1	Apr.18/57	N65 W	-45	8.0	210.0		"
4	"	2	Aug.15/57	N65 W	-45	12.0	266.0		"
4	"	3	Aug.17/57	N65 W	-45	14	287.0		"
5	"	4	Aug.19/57	N69 W	-45	10	243.0		"
5	"	5	Aug.22/57		-45	17	247		"
6	AMBIS MINES LTD. FARADAY URANIUM MINES LTD. E.S. Walsh (File 5)	1	Jun. 8/58	-	-90	10.5	56		

GDIF FORM NO

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
6	AMBIS MINES LTD. FARADAY URANIUM MINES LTD. E.S. Walsh (File 5)	2	Jun.10/58	-	-90	2	36.5		
6	"	3	Jun.13/58	325	-40	2	81		
6	"	4	Jun.18/58	325	-40	2	76		
6	"	5	Jun.23/58	325	-40	0	132.5		
6	"	6	Jun.24/58	-	-90	4	50		
7	"	7	Jun.28/58	10	-45	1	57.0		
7	"	8	Jul. 4/58	N72 W	-45	2	54.0		
7	"	9		N72 W	-45	0	54.0		
7	"	10		N35 W	-45	0	50.0		
7	"	11		N35 W	-45	0	54.0		
7	"	12		N35 W	-45	0	53		

GDIF FORM NO.

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
7	AMBIS MINES LTD./FARADAY URANIUM MINES LTD. (File 5)	13		N 35 W	-45	0	86		
7	"	14		N 35 W	-50	0	50		
7	"	15		N 35 W	-45	5.0	100		
8	"	16		N 35 W	-45	2.0	147		
9*	BOULTER DEPOSIT (information from Drill Log by Louis Moyd in OGS AR Vol.63 Pt.6 p.57-58		1950	S 69 W	45	10.4	81.1	magnetite	
10*	FRASER LAKE (information from same reference as above)		1950		45	10.0	80.3	magnetite	
11*	Lot 21, Con VI S½ (reference same as above)		1950	6 Diamond Drill Holes Totalling 850'					

* These references are filed at the Resident Geologist's Office - Bancroft.

GDIF FORM NO.

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	By: Unknown For: Geological Survey of Canada Department of Mines & Technical Surveys GSC Map 15G (scale 1:50,000)	Aeromagnetic Survey showing: Little Mississippi Anomaly - I/23 Mallard Creek Anomaly - III/7 Carlow Anomaly - III/9 Hynes Lake Anomaly - VII/11 McWhirter Lake Anomaly - IX/13-14 Stringer Lake Anomaly - X/21 as shown by Abraham, E.M. (1951) ODM Preliminary Report 1951-2 p.5-6	1,000 ft. above ground	North-South	¼ mile

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
1	Geochronological (K/Ar)	Biotite	Lowdon, J.A. 1960: Age Determin by the Geological Survey of Canada Report 1, Isotopic Ages, p.25; GSC Paper 60-17 (Sample GSC 59-56) (Approx. Carlow III/21)	K-Ar Age 865 m.y.

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

MENTOR EXPLORATION & DEVELOPMENT CO. - Northern Miner, May 26, 1955, and June 16, 1955

NOTES AND ADDENDA

GDIF FORM NO.8

ODM GENERAL INDEX SEARCH

Words searched:

CARLOW TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
1	CARLOW TOWNSHIP			
	Ashland Emery & Corundum Co.	14	1	19,25
	" "	15	1	19,99
	" "	16	1	21,84
	" "	17		26,89
	" "	19	1	36,129
	" "	20	1	112
	" "	21	1	162
	" "	22	1	48
	" "	23	1	165
	Corundum	6		61,63, 217
	"	7		207-208 219-221 211,224
	"	8		206,239 240,244 146
	"	12		35,135
	"	13	1	89,90
	"	17		89
	"	14	1	18,75
	"	15	1	19,99
	"	19	1	129
	"	23	1	33
	"	25	1	32,140
	"	24	1	40,165
	"	16	1	84
	Gneiss	7		227
	Limestone	13	2	65
	Magnetite	9		202
	Molybdenite	25	1	20
	New Carlow	12		135,136
	"	15	1	19
	Ontario Corundum Co.	12		9,37,135
	" "	14	1	19,75
	" "	15	1	99
	" "	13	1	19,21,89 90,112, 113,
	" "	15	2	19
	Pyroxene	9		207
	Syenite	7		229
	"	8		220
2	CARLOW TOWNSHIP			
	Manufacturers Corundum Ltd.	26		42, 146
	" "	27	1	46,144

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	CARLOW TOWNSHIP			
	Manufacturers Corundum Ltd.	28	1	49
	" "	29	1	110
	" "	30	1	126
3	CARLOW TOWNSHIP			
	Corundum	39	6	39
	Garnet	34	6	39
	Graphite	36	6	39
4	CARLOW TOWNSHIP			
	Corundum	52	3	4,18,19
	Graphite	52	3	34
	Magnetite, Notes and Analysis	52	3	38,39
	Rocks	52	3	9
5	CARLOW TOWNSHIP			
	Geology and Mineral Deposits	63	3	
	Granite Analysis	64	8	28
	Nepheline Rocks	64	8	29
6	CARLOW TOWNSHIP			
	Nepheline Syenite	69	8	82,83
	Sketch Map	69	8	65
	Uranium Claim	65	6	136-137
7	CARLOW TOWNSHIP			
	Graphite Prospect	IMR 20		23
	Sillimanite	IMR 4		7
8	CARLOW TOWNSHIP			
	Iron	MRC 11		151
9	CARLOW TOWNSHIP			
	Corundum	MP 70		124
	Iron	MDC 20		88-89
	Marble	MP 80		6-7

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL MAPS WITHOUT REPORTS		
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 1: Southern Ontario; Grenville Province and Environs, AR-Ar, and K-Ar, Isotopic Systems	OGS Map P.2840	1" = 16 mi.
	1986	Geochronology Compilation Map for Ontario: Sheet 2: Southern Ontario; Grenville Province and Environs, Rb-Sr, Nd, Sm, U-Pb and other Isotopic Systems	OGS Map P.2841	1" = 16 mi.
Freeman, E.B., ed.	1979	Geological Highway Map, Southern Ontario	OGS Map 2441	1:800,000
Hewitt, D.F. & Satterly, J.	1957	Haliburton-Bancroft Area, Prov. of Ont. (Revised 1972)	OGS Map 1957b	1" = 2 mi.
Lumbers, S.B.	1976	Ontario Geological Map, Southern Sheet(revision of 2197)	OGS Map 2392	1" = 16 mi.
Meyn, H.D. & Robertson, J.A.	1975	Iron Deposits of Ontario Southern Sheet,	OGS Map P.1044	1" = 16 mi.
Ontario Geological Survey	1985	Ontario Mineral Map	OGS Map 2472	1" = 25 mi.
Robertson, J.A., Gordon, J.B., Rybak, R.	1981	Uranium and Thorium Deposits of Ontario, Southern Sheet. Mineral Deposit Series.	OGS Map P.2424	1" = 16 mi.
		GEOLOGICAL REPORTS WITH MAPS		
Adams, F.D. & Barlow, A.E.	1910	Geology of the Haliburton and Bancroft Area, Ont.	GSC Memoir 6 Map 770	419 p. 1" = 2 mi.
Barlow, A.E.	1898	Observations on the Occurrence of Corundum in Hastings, Renfrew, and Peterborough Counties, Ontario (Summary Report for the year 1897)	GSC AR Vol.X Pt.A Map 639	p.43-61 1" = 5 mi.
	1915	Corundum its occurrence, distribution, exploitation and uses	GSC Memoir 57 Map 1023	1" = 18 mi.

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Breaks, F.W. & Thivierge, R.	1982	Wicklow Area, Hastings County; p.80 in Summary of Field Work, 1982.	OGS MP 106	235 p.
	1985	Geology and the Wicklow Area, Hastings County	OGS OFR 5536	256 p.
	1983	Precambrian Geology, Wicklow Area	Map P.2614	1" = ¼ mi.
Carter, T.R., Colvine, A.C. & Meyn, H.D.	1979	The Geology of Base Metal, Precious Metal, Iron, & Molybdenum Deposits, Pembroke-Renfrew Area	OGS OFR 5275 Map P.2211	 1" = 2 mi.
	1980	"	OGS MDC 20 Map P.2211	186 p. 1" = 2 mi.
Hewitt, D.F., Peach, P.A., & Moyd, L.	1953	Petrology of the Nepheline and Corundum Rocks, Bancroft Area, Ontario, Guidebook for No. 1 Field Trip in conjunction with the Joint Annual Meeting of the Geological Society of America and the Geological Assoc. of Canada, Toronto, 1953.	(3 Maps)	28 p.
Hewitt, D.F.	1955	Geology of Monteagle & Carlow Townships, Hastings County	ODM AR Vol.63 Pt.6 Map 1954-3	 1" = ½ mi.
	1961	Nepheline Syenite Deposits of Southern Ontario (Accompanied by Maps 1960E, 1960F)	ODM AR Vol.69 Pt.8	194 p.
Hewitt, D.F. & James, W.	1956	Geology of Dungannon & Mayo Townships	ODM AR Vol.64 Pt.8 Map 1955-8	 1" = ½ mi.
Lang, A.H.	1952	Canadian Deposits of Uranium and Thorium	GSC Ec.Geol.Ser.16	
Lang, A.H., Griffith, J.W., & Steacy	1962	Canadian Deposits of Uranium and Thorium (2nd edition)	GSC Ec.Geol.Ser.16 Map 1045A-MI	342 p. 1" = 120 mi.

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Lindeman, E.	1913	Magnetite Occurrences along the Central Ontario Railway	DEMR/CANMET #184 (9 maps)	23 p.
Lindeman, E. & Bolton, L.L.	1917	Iron Ore Occurrences in Canada	DEMR/CANMET #217 (33 maps)	222 p.
Lumbers, S.B.	1964	Preliminary Report on the Relationship of Mineral Deposits to Intrusive Rocks and Metamorphism in Part of the Grenville Province of Southeastern Ontario	ODM PR. 1964-4 Fig. 7	37 p. 1" = 2 mi.
Lumbers, S.B.	1982	Summary of Metallogeny Renfrew County Area	OGS Report 212 Map 2461	58 p. 1:100,000
	1980	Geology of Renfrew - Western Part	OGS Map P.2357	1" = 1 mi.
Martin, Wendy	1983	Industrial Minerals of the Algonquin Region, Ontario	OGS OFR 5425 Map P.2567	316 p. 1:125,000
Masson, S.L. & Gordon, J.B.	1980	Radioactive Mineral Deposits of the Pembroke-Renfrew Area, NTS 31F, Southern Ontario	OGS OFR 5294 Map P.2210	1" = 2 mi.
	1981	"	OGS MDC 23 Map P.2210	155 p. 1" = 2 mi.
Miller, W.G.	1898	Economic Geology of Eastern Ontario, Corundum & Other Minerals	ODM AR Vol.7 Pt.3 Map 7c	p.207-238 1" = 2½ mi.
Moyd, L.	?	Private Report for the Frobisher Exploration Co.	?	?
Osborne, F.F.	1930	Non-Metallic Mineral Resources of Hastings County	ODM AR Vol.39 Pt.6 Map 39h	p.22-59 1:250,000

GDIF FORM

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Storey, C.C. & Vos, M.A.	1980	Industrial Minerals of the Pembroke-Renfrew Area, NTS 31F, Southern Ontario, Part 2	OGS OFR 5296 Map P.2209	1" = 2 mi.
	1981	"	OGS MDC 22 Map P.2209	214 p. 1" = 2 mi.
Thomson, Jas. E.	1943	Mineral Occurrences in the North Hastings Area	ODM AR Vol.52 Pt.3 Map 52b	80 p. 1" = 2 mi.
		GEOLOGICAL AND TECHNICAL REPORTS WITHOUT MAPS		
Abraham, E.M.	1951	Geology in the vicinity of aeromagnetic anomalies on the Bancroft and Coe Hill Sheets, Southern Ontario	ODM PR 1951-2	19 p.
Blue, A.	1896	General Introduction	ODM AR Vol.6	p.7-70
	1899	Corundum in Ontario	ODM AR Vol.8 Pt.2	p.241-249
Bosiak, C.P.	1963/68/72	Rocks & Minerals at Bancroft and Madoc, Ontario		59 p.
Carter, W.E.H. & Miller, W.G.	1904	Mines of Ontario	ODM AR Vol.13 Pt.1	p.58-95
Carter, W.E.H. & Corkill, E.T.	1905	Mines of Western and Eastern Ontario	ODM AR Vol.14 Pt.1	p.43-88
Corkill, E.T.	1906	Mines of Ontario	ODM AR Vol.15 Pt.1	p.47-107
	1907	"	ODM AR Vol.16 Pt.1	p.55-91
	1908	"	ODM AR Vol.17	p.58-94

GDIF FORM NO

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Corkill, E.T.	1910	Mines of Ontario	ODM AR Vol.19	p.78-130
	1911	"	ODM AR Vol.20 Pt.1	p.86-118
	1912	"	ODM AR Vol.21 Pt.1	p.100-168
Dawson, G.M.	1897	Chemistry & Mineralogy - Contributions to Museum, p.107-108A, Summary Report for the year 1896	GSC AR Vol.IX Pt.A	144 p.
Dillon, E.P. & Barron, P.S	1982	Geology of Selected Industrial Mineral Occurrences Southern Ontario, p.228-234; in Summary of Field Work, 1982	OGS MP 106	235 p.
Donnan, B.C.	1955	Geological Report - Optioned 64 Claim Group, Mentor Exploration and Development Co. Ltd. for Hopkins Exploration Consultants	Carlow Assessment File # 1	
Eardley-Wilmot, V.L.	1927	Abrasives, Part II, Corundum and Diamond; Mines Branch Report	DEMR/CANMET #675	51 p.
	1927	Abrasives, Part III,"Garnet"; Mines Branch Report	DEMR/CANMET #677	69 p.
	1929	Abrasives: Products of Canada, technology and application, Part IV, artificial abrasives and manufactured abrasive products and their uses; Mines Branch Report	DEMR/CANMET #699	144 p.
Ferrier, W.F.	1897	Lithology - Notes on the Discovery of Corundum in Hastings County Ontario, p.116-119A; in Summary Report of the GSC for the year 1896, by Dawson, G.M.	GSC AR Vol.IX Pt.A	143 p.
Easton, R.M.	1986	Geochronology of Ontario, Part 1: Compilation of Data; 4 figures, 1 table.	OGS OFR 5592	179 p.

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Ferrier, W.F.	1898	Investigations of Corundum and Nephéline Syenites in Carlow & Dungannon Townships, Hastings County; Raglan Township, Renfrew County; and of Corundum in Methuen Township, Peterborough County, Ontario, p.127-128A; in Summary Report of the GSC for the year 1897, by Dawson, G.M.	GSC AR Vol.X Pt.A	156 p.
Gordon, J.B. & Masson, S.	1977	Uranium & Thorium Deposits, p.192-194; in Summary of Field Work, 1977	OGS MP 75 (See MDC 23)	208 p.
	1978	Uranium & Thorium Deposits, p.181-185; in Summary of Field Work, 1978	OGS MP 82 (See MDC 23)	235 p.
Hewitt, D.F.	1952	Kyanite and Sillimanite in Ontario	ODM IMR 4	9 p.
	1965	Graphite in Ontario	ODM IMR 20	66 p.
	1967	Pegmatite Mineral Resources of Ontario	ODM IMR 21	83 p.
	1969	Geology and Scenery, Peterborough, Bancroft, and Madoc area (reprinted 1974)	ODM GB 3	114 p.
Gibson, Shirley, et al	1975	Bancroft Area Minerals Brochure (Revision 1981)	OMNR Brochure	
Gibson, T.W.	1903	Statistics for 1902	ODM AR Vol.12	p.7-53
	1905	Statistical Review	ODM AR Vol.14 Pt.1	p.1-36
	1906	"	ODM AR Vol.15 Pt.1	p.1-38
	1907	"	ODM AR Vol.16 Pt.1	p.3-48
	1908	"	ODM AR Vol.17	p.5-52
	1910	"	ODM AR Vol.19	p.5-56
	1913	"	ODM AR Vol.22 Pt.1	p.5-61
	1914	"	ODM AR Vol.23 Pt.1	p.1-51
	1915	"	ODM AR Vol.24 Pt.1	p.1-65

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Gibson, T.W.	1917 1918 1919	Statistical Review of the Mineral Industry of Ont. " "	ODM AR Vol.26 ODM AR Vol.27 Pt.1 ODM AR Vol.28 Pt.1	p.1-66 p.1-77 p.1-95
Goodwin, W.L.	1897	Mineral Collections for Summer Mining Schools, Part 2, Catalogue of Minerals in the Collection	ODM AR Vol.6	p.206-229
Gordon, J.B., Colvine, A. C., & Vos, M.A.	1977	Mineral Resource Studies in the Pembroke-Renfrew Area, Southeastern Ontario, p.191-192; in Summary of Field Work, 1977	OGS MP 75	208 p.
	1978	Mineral Resource studies in the Pembroke-Renfrew Area, Southeastern Ontario, p.180-181; in Summary of Field Work, 1978	OGS MP 82	235 p.
Gordon, J.B., Rybak, U.C. & Robertson, J.A.	1981	Uranium and Thorium Deposits of Southern Ontario	OGS OFR 5311	665 p.
Johnston, R.A.A.	1915	A List of Canadian Mineral Occurrences	GSC Memoir 74	275 p.
Kenny, D., Jones, V., & Shields, G.W.	1985	Mineral Development Project, 1985, sumbitted to the Bancroft and District Chamber of Commerce, re: Mineral Collecting Sites		
Leach, H.	1973	200 Mineral Locations in Southern Ontario (2nd edition) Kingston		91 p.
Lowdon, J.A.	1960	Age Determinations by the Geological Survey of Canada, Report 1, Isotopic Ages, Ontario, p.20-26;	GSC Paper 60-17	51 p.
McMurray, V.A.	1977	Rockhound & Prospector - A Guide to Mineral Locations in Hastings County, Ontario		60 p.

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Miller, W.G.	1899	Corundum and Other Minerals	ODM AR Vol.8 Pt.2	p.205-240
	1900	Minerals of Ontario, with Notes	ODM AR Vol.9	p.192-212
	1903	Mines of Ontario	ODM AR Vol.12	p.73-140
	1904	The Limestones of Ontario	ODM AR Vol.13 Pt.2	143 p.
Ontario Geological Survey Bancroft Resident Geologist's Staff	1984	Monteagle Township, Hastings County, Ontario	OGS GDIF 169	60 p.
Ontario Iron Ore Committee	1923	Report of the Iron Ore Committee, with Appendix	ODM I.O.	306 p.
Papertzian, V.C. & Kingston, P.W.	1982	Graphite Development Potential in Eastern Ontario	OGS OFR 5377	
Peterson, H.	1978	Peterson Guide to Mineral Collecting, Bancroft Area (second edition)		61 p.
Robertson, J.A.	1981	The Uranium Deposits of Ontario - Their distribution and classification	OGS MP 86	37 p.
Rogers, W.R.	1916	Statistical Review of the Mineral Industry of Ont.	ODM AR Vol.25 Pt.1	p.1-51
Rose, E.R.	1958	Iron Deposits of Eastern Ontario and adjoining Quebec	GSC Bull 45	120 p.
Sabina, A.P.	1965	Rock and Mineral Collecting in Canada, Vol.II Ontario and Quebec	GSC MP 8	252 p.
	1971	Rocks and Minerals for the Collector: Ottawa to North Bay, Ontario	GSC Paper 70-50	130 p.

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Satterly, J.	1956	Radioactive Mineral Occurrences in the Bancroft Area	ODM AR Vol.65 Pt.6	181 p.
	1971	Some Radioactive Mineral Occurrences, Southern Ont.	OGS OFR 5057	85 p.
	1977	A Catalogue of the Ontario Localities Represented by the Mineral Collection of the Royal Ontario Museum	OGS MP 70	464 p.
Shklanka, R.	1968	Iron Deposits of Ontario	OGS MRC 11	489 p.
Sutherland, T.F., et al	1915	Mines of Ontario	ODM AR Vol.24 Pt.1	p.94-170
	1916	"	Vol.25 Pt.1	p.66-162
	1917	"	Vol.26 Pt.1	p.74-156
	1918	"	Vol.27 Pt.1	p.86-154
	1920	"	Vol.29 Pt.1	p.66-141
	1922	"	Vol.30 Pt.1	p.63-158
Thivierge, R.H.	1983	Northern Bancroft - Southern Barry's Bay Area, Hastings County and Nipissing District, p.80-83; in Summary of Field Work, 1983	OGS MP 116 (See OFR 5536)	313 p.
Traill, R.J.	1983	Catalogue of Canadian Minerals - Revised 1980 (Replaces GSC Paper 69-45)	GSC Paper 80-18	432 p.
Trussler, J.R.	1980	Mineral Collecting Files, located at Resident Geologist's Office, Ministry of Northern Development and Mines, Bancroft, Ontario		
Vos, M.A., & Storey, C.C.	1978	Marbles of the Pembroke-Renfrew Area	OGS MP 80	17 p.

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Barnett, P.J.	1979	Quaternary Geology of the Bancroft (31F/4) Area, Hastings, Renfrew, Lennox & Addington Counties, p.136-137; in Summary of Field Work, 1979	OGS MP 90	245 p.
	1983	Quaternary Geology of the Bancroft Area	OGS OFR 5428	124 p.
	1985	Quaternary Geology of the Bancroft Area (Maps P.2376 & 2397)	OGS Map 2500	1:50,000
Bostock, H.S.	1969	Physiographic Regions of Canada	GSC Map 1254 A	1:5,000,000
Chapman, L.J.	1975	The Physiography of the Georgian Bay-Ottawa Valley Area of Southern Ontario	ODM Geoscience Report 128 Map 2228	33 p. 1" = 4 mi.
Chapman, L.J. & Putnam, D.F.	1984	The Physiography of Southern Ontario (third edition)	OGS Special Vol.2 Map P.2715 (coloured)	270 p. 1:600,000
Mollard, D.G.	1980	Southern Ontario Engineering Geology Terrain Study Maps: Bancroft and Haliburton	OGS OFR 5317 (4 maps)	1:100,000
		TOPOGRAPHIC MAPS		
Dept. of Energy, Mines and Resources; Survey & Mapping Branch	1975	Bancroft, Ontario (31F/4)		1:50,000
	1975	Barry's Bay, Ontario (31F/5)		1:50,000
	1963	Bancroft (31F/SW)		1:125,000
	1977	Pembroke (31F)		1:250,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOCHEMICAL		
Ontario Geological Survey & Geological Survey of Canada	1977	Geochemical Reconnaissance in Lake Sediments, Southern Ontario (31F)	OGS OFR 5228 GSC OF 406	1:250,000 1:250,000
DEMR/GSC (Resource Geochemistry Subdivision)	1981	National Geochemical Reconnaissance, coloured compilation map series, southeastern Ontario Project Co-ordinator, Coker, W.B. & Ellwood, D.J.	GSC OF 747	1:2,000,000
Hornbrook, E.H.W. & Lund, N.G.	1982	National Geochemical Reconnaissance Lake Sediment and Water Geochemical Survey, Southeastern Ontario	GSC OF 899 Maps 58-1982	233 p. 1:250,000
Kettles, I.M. & Shilts, W.W.	83/84?	Reconnaissance Geochemical Data for Till & other Surficial Sediments, Frontenac Arch and surrounding Areas, Ontario	GSC OF 947	85 p.
		GEOPHYSICAL		
Geological Survey of Canada	1950	Bancroft, Hastings, Renfrew, Lennox & Addington Counties; Aeromagnetic Map (revised 1957)	GSC Map 15G	1:50,000
	1953	Barry's Bay, Hastings, and Renfrew Counties, and Nipissing District, Ontario; Aeromagnetic Map	GSC Map 109G	1:50,000
	1981	Pembroke, Ontario - Quebec; Aeromagnetic Map	GSC Map 7057G	1:250,000
	1971	Seven radiometric maps and profiles for 61 flight lines of an experimental high-sensitivity gamma-ray spectrometer survey of the Bancroft Area, Ont. (31F/4)	GSC OF 45 Maps Profiles	 1:50,000 1:250,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Geological Survey of Canada	1976	Uranium Reconnaissance Program, Airborne Gamma-Ray Spectrometry Data, Pembroke (31F), Ontario-Quebec	GSC OF 331 (35631 G)	1:250,000
	1984	Radiometric Survey Map - Ottawa (7 maps)	GSC OF 1072 (35631 G)	1:1,000,000
	1981	Eastern Ontario - Western Quebec Region, Magnetic Anomaly Map Series (Residual Total Field)	GSC Map 1562A	1:1,291,806
Ontario Department of Mines - Geological Survey of Canada	1972	Great Lakes - Ottawa River Sheet, Algoma, Sudbury, Timiskaming, Nipissing, and Manitoulin Districts, and Southern Ontario; Aeromagnetic Compilation Map	ODM/GSC Map P.800	1" = 16 mi.
		MINERAL POTENTIAL MAPS		
Robertson, James A., et al	1979	Uranium Mineral Potential Charts for Parts of Southern Ontario	OGS OFR 5260 Chart F	1" = 2 mi.
Springer, Janet	1978	Ontario Mineral Potential	OGS Map P.1507	1:250,000
		JOURNAL ARTICLES, THESES		
Bullis, A.R.	1965	Geology of Metal Mines Ltd. (Bancroft Division) CIMM Bulletin, Vol.58 No.639, p.713-720		
Hewitt, D.F.	1962	Some Tectonic Features of the Grenville Province, p.102-117; The Tectonics of the Canadian Shield, Royal Society of Canada, Special Publication #4		

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Moyd, Louis	1949	Petrology of the Nepheline and Corundum Rocks of Southeastern Ontario; American Mineralogist, Vol.34, No's 9 & 10, Sept-Oct, p.736-751		
Rose, E.R.	1954	Iron Deposits of Eastern Ontario and Their Origin; Ph.D. Thesis, Queen's University		
Sangster, A.L.	1970	Metallogeny of Base Metal, Gold, and Iron Deposits of the Grenville Province of Southeastern Ontario; Unpublished Thesis Ph.D., Queen's University, 356 p.		

BANGOR

MONTEAGLE

Bancar L

Menzies Pond

L Lennon

Mud Pond

Hoover Lake

O'Grady Lake

45°17'30"

77°39'00"

Craigmont

New Carlow

Papineau

Burgess Mines

2
3
5

Bailey's L

Fosters Lake

Edwards L

Conroys Marsh

River

Foster Rapids

York

Conroy Rapids

BANGOR

Bancar L

Lennon L

Menzies Pond

Mud Pond

Hoover Lake

O'Grady Lake

45°17'30"

77°39'00"

Craigmont

Papineau

Burgess Mines

Alder

2
3
5

Bailey L

Fosters Lake

Edwards L

Conroys Marsh

River

Foster Rapids

Conroy Rapids

York

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 332

(Map 1 of 2)

CARLOW TOWNSHIP

HASTINGS COUNTY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

MONTCALM

RAGLAN

Branch Bay

McWhirter L.

Havergal

Hynes L.

Boulter

Salmon Trout Cr.

Fraser

White Lake

Fraser Cr.

Murphy

Little Mississippi R.

Mallard

45°09'30"

77°41'00"

Fort Stewart

Sall L.

Mallard Lake

MAYO

McWhirter L.

Hynes L.

Hövergal

Boulter

RAGLAN

Fraser

Welsh Lake

Fraser Cr.

Murphy Cr.

Little Mississippi R.

Fort Stewart

Salt L.

Mallard Lake

MAYO

EXPLORATION DATA FILE AREAS

■ /① \⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

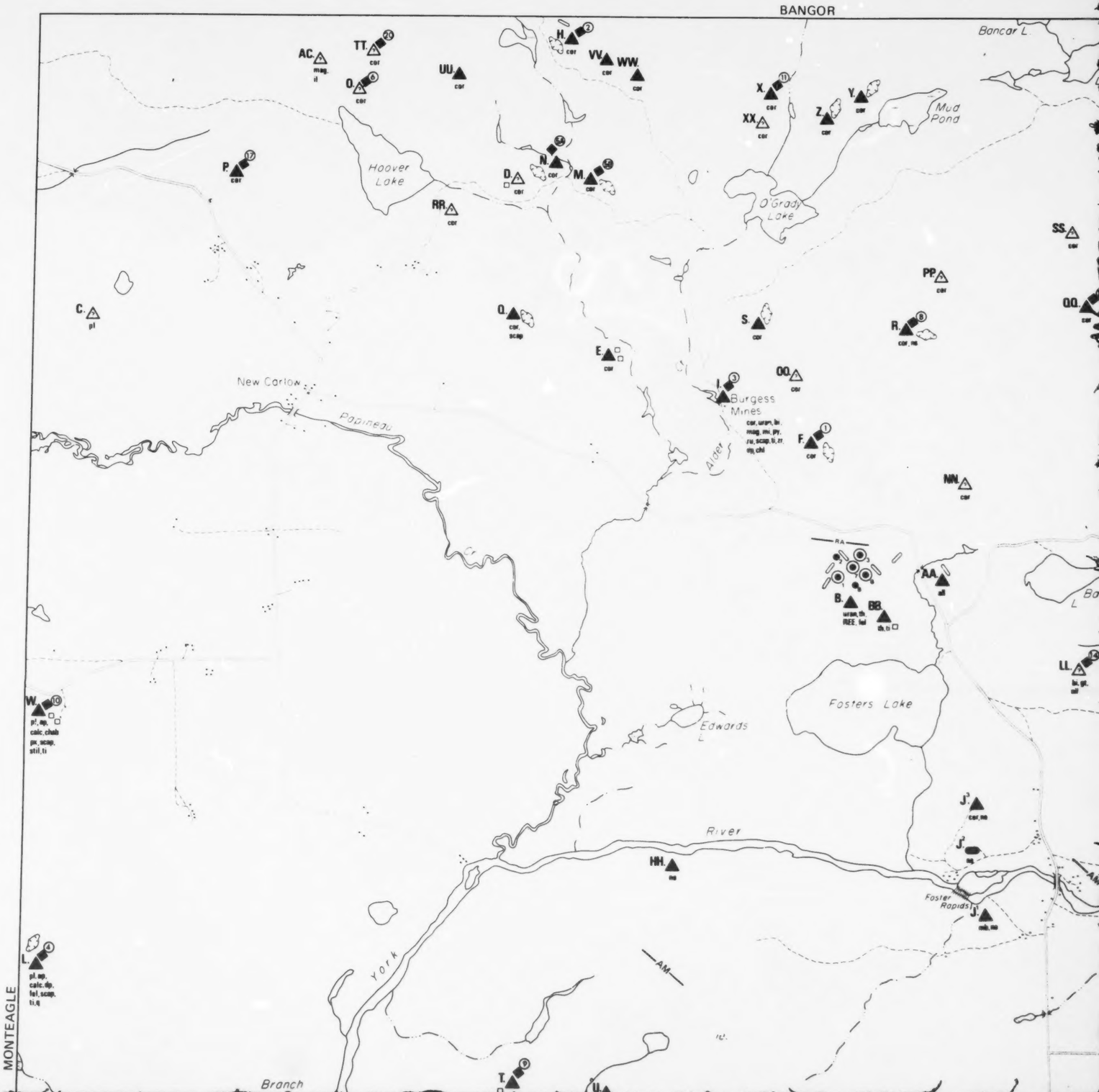
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open cut
- Rock quarry
- Sand and/or gravel pit



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 332

(Map 2 of 2)

CARLOW TOWNSHIP

HASTINGS COUNTY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral Collecting Locality, with number

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map

Adit

Open cut

Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

MAYO

Drillhole, exact location uncertain, with reference number

Property with underground drillholes in this general area, with reference number

Property with drillholes which have not been plotted on map, with reference number

Reverse circulation drillhole; churn drilling, with reference number